

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2085_01_s_2013_7				
Comment Code					
Inspector Comment					
The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2085_01_s_2013_9				
Comment Code					
Inspector Comment					
Flood fighting supplies are available at the River Club.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2085_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has a flood fighting plan and training.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	0.12	Rating **	C	Issue No.	19
LM End	0.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.719052 °	37.723246 °
				-121.302928 °	-121.299492 °
DWR ID	DWR_RD2085_01_f_2015_19				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Crown surface has been resurfaced. Fall 2019					

No Photos

LM Start	0.53	Rating **	A/W	Issue No.	60
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.723415 °	37.723415 °
				-121.298596 °	-121.298596 °
DWR ID	20677				
Comment Code					
Inspector Comment					
DS_ID:20677 FS_ID:52493 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pipe has been removed by LMA.Previous:Pipe abandoned. Erosion around pipe on WS slope. Pipe severely corroded. Pier badly damaged. FIELD_STRUCT_DESC: *REMOVED* 14-inch steel drainage pipe through the levee, 4.5 feet below the crown. Pump on pile structure in ditch on the landside (LS). Siphon breaker in corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Pipe removed by LMA. (Permit Application No. T2013179, 2014 - Surinder Sandhu, submitted to CVFPB. Permit was not needed per CVFPB review). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 0.47)]. FS Date: 9/5/2013					

Photo 1 of 3 : UCIP_FA_2019_52493_62262.jpg



(Pipe removed by LMA)Pipe on WS with erosion into levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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LM Start	0.53	Rating **	A/W	Issue No.	60 (cont)	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.723415 °	37.723415 °	
				-121.298596 °	-121.298596 °	
DWR ID	20677					
Comment Code						
Inspector Comment						
DS_ID:20677 FS_ID:52493 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pipe has been removed by LMA.Previous:Pipe abandoned. Erosion around pipe on WS slope. Pipe severely corroded. Pier badly damaged. FIELD_STRUCT_DESC: *REMOVED* 14-inch steel drainage pipe through the levee, 4.5 feet below the crown. Pump on pile structure in ditch on the landside (LS). Siphon breaker in corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Pipe removed by LMA. (Permit Application No. T2013179, 2014 - Surinder Sandhu, submitted to CVFPB. Permit was not needed per CVFPB review). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 0.47)]. FS Date: 9/5/2013						

LM Start	0.53	Rating **	A/W	Issue No.	60 (cont)
LM End	0.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_52493_62261.jpg



Pipe removed from WS toe.

Photo 3 of 3 : UCIP_FA_2019_52493_62260.jpg



Siphon breaker in 24-inch CMP riser on WS shoulder was removed by LMA.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	0.54	Rating **	M	Issue No.	23
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.723338 °	37.721282 °	
			-121.298295 °	-121.295377 °	
DWR ID	DWR_RD2085_01_f_2019_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	M	Issue No.	22
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.723338 °	37.720839 °	
			-121.298295 °	-121.294885 °	
DWR ID	DWR_RD2085_01_f_2019_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.65	Rating **	M	Issue No.	34
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.722422 °	37.722422 °	
			-121.296867 °	-121.296867 °	
DWR ID	DWR_RD2085_01_s_2019_34				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	0.69	Rating **	M	Issue No.	25
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.721996°	37.721996°
				-121.296180°	-121.296180°
DWR ID	DWR_RD2085_01_f_2019_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	M	Issue No.	1
LM End	1.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.715996 °	37.715996 °
				-121.291229 °	-121.291229 °
DWR ID	RD2085U01RM62.43				
Comment Code					
Inspector Comment					
Site ID: RD2085U01RM62.43 09/17/2019: No significant change has been observed at the site. The site is covered with dense and tall vegetation. 11/02/2017: The erosion was reported to DWR by LMA. The site is located at the outside of a slight river bend. Both levee slope and river bank are covered with dense vegetation.					

Photo 1 of 3 : SJR2019_RD2085U01RM62.43_1.JPG



Looking downstream at the erosion site.

LM Start	1.15	Rating **	M	Issue No.	1 (cont)
LM End	1.26	Issue Type +	Ma	Location *	

Photo 2 of 3 : SJR2019_RD2085U01RM62.43_2.JPG



Looking downstream at the erosion site. Note the dense vegetation and the trees at the upstream of the erosion.

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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	1.15	Rating **	M	Issue No.	1 (cont)	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.715996 °	37.715996 °	
				-121.291229 °	-121.291229 °	
DWR ID	RD2085U01RM62.43					
Comment Code						
Inspector Comment						
Site ID: RD2085U01RM62.43 09/17/2019: No significant change has been observed at the site. The site is covered with dense and tall vegetation. 11/02/2017: The erosion was reported to DWR by LMA. The site is located at the outside of a slight river bend. Both levee slope and river bank are covered with dense vegetation.						

Photo 3 of 3 : SJR2019_RD2085U01RM62.43_4.JPG



Close-up view of the erosion.

LM Start	1.40	Rating **	M	Issue No.	24
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.714114 °	37.714114 °
				-121.288617 °	-121.288617 °
DWR ID	DWR_RD2085_01_f_2018_24				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A large limb is on the landside slope.					

No Photos

LM Start	2.21	Rating **	M	Issue No.	35
LM End	2.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707877 °	37.707877 °
				-121.276563 °	-121.276563 °
DWR ID	DWR_RD2085_01_f_2018_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There are rodent holes on the waterside slope.					

No Photos

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		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	2.22	Rating **	M	Issue No.	37
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707788 °	37.707788 °
				-121.276401 °	-121.276401 °
DWR ID	DWR_RD2085_01_s_2019_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.26	Rating **	M	Issue No.	39
LM End	2.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707201 °	37.707201 °
				-121.276029 °	-121.276029 °
DWR ID	DWR_RD2085_01_s_2019_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.55	Rating **	M	Issue No.	43
LM End	2.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.703301 °	37.703301 °
				-121.274678 °	-121.274678 °
DWR ID	DWR_RD2085_01_f_2019_43				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	2.55	Rating **	C	Issue No.	2
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.703094 °	37.703094 °
				-121.274894 °	-121.274894 °
DWR ID	RD2085U01RM66.5				

No Photos

Comment Code

Inspector Comment

Site ID: RD2085U01RM66.5
 09/17/2019: The site has been repaired.
 10/04/2017: The erosion has progressed significantly toward the levee toe.
 07/08/2016: No significant change observed.
 09/10/2015: No significant change observed. Signs of animal activity are present.
 09/10/2014: No significant change observed.
 09/20/2013: No significant change in erosion observed. More vegetation at the site.
 12/04/2012: The erosion has progressed remarkably toward levee, extended to the up-and downstream of the original pocket erosion. Trees and dense bush are present at the site. Animal burrow holes are visible, and possibly can cause seepage.
 09/22/2010: No significant change observed. There is little visibility due to seasonal grass on the berm and slope.
 08/18/2009: Site is located on berm; pocket erosion has developed; the site is covered in dense vegetation; there are several relief wells on the landside of the levee; site is Not Rated because berm width is greater than 30 feet; site should be monitored to keep track of erosion progress.

LM Start	2.57	Rating **	A/W	Issue No.	48
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.703094 °	°
				-121.274894 °	°

Comment Code

Inspector Comment

Levee Evaluation Comments
 Description:
 Site ID No:105
 Site Designation:FSRP-13-55
 Repair Type: Erosion
 Rating:Serious
 Field Date:6/8/2017
 Notes: This site is repaired as of this inspection date. Fall 2018.

Photo 1 of 3 : LEVAL_FA_2019_105_262.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	2.57	Rating **	A/W	Issue No.	48 (cont)	
LM End		Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.703094 °	°	
				-121.274894 °	°	
DWR ID	FSRP-13-55					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:105						
Site Designation:FSRP-13-55						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/8/2017						
Notes: This site is repaired as of this inspection date. Fall 2018.						

Photo 2 of 3 : LEVAL_FA_2019_105_271.jpg



Photo 3 of 3 : LEVAL_FA_2019_105_272.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	2.65	Rating **	M	Issue No.	45
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.702011 °	37.702011 °
				-121.275312 °	-121.275312 °
DWR ID	DWR_RD2085_01_f_2019_45				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.79	Rating **	M	Issue No.	46
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.700029 °	37.697803 °
				-121.276202 °	-121.277999 °
DWR ID	DWR_RD2085_01_f_2019_46				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	2.83	Rating **	M	Issue No.	47
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.699545 °	37.699545 °
				-121.276389 °	-121.276389 °
DWR ID	DWR_RD2085_01_f_2019_47				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are tree limbs from a dead tree on waterside slope. Fall 2019					

Photo 1 of 1 : FA_2019_RD2085_113_47_20191111_00059.jpg



View of tree limbs on waterside slope. Fall 2019

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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	2.90	Rating **	C	Issue No.	21
LM End	2.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.698700°	37.698700°
				-121.277199°	-121.277199°
DWR ID	DWR_RD2085_01_f_2015_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.16	Rating **	M	Issue No.	49
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.695537°	37.688705°
				-121.276927°	-121.276401°
DWR ID	DWR_RD2085_01_f_2019_49				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	3.30	Rating **	M	Issue No.	65	
LM End	3.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.693618 °		37.693618 °
				-121.277639 °		-121.277639 °
DWR ID	20693					
Comment Code						
Inspector Comment						
DS_ID:20693						
FS_ID:19433						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel storm drainage pipe through the levee, 4 feet below the crown. T-post marks location of pipe at the landside (LS) toe. Steel plate welded over pipe on the waterside (WS) slope. [Additional Reference(s): USACE San Joaquin O&M Manual 11, 1968, (HLM 3.34), As-Built Drawings available, DWG 7-4-1685].						
FS Date: 9/5/2013						

LM Start	3.30	Rating **	M	Issue No.	65 (cont)
LM End	3.30	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_19433_32990.jpg



T-post marking pipe end on LS toe. 10-inch pipe debris on LS toe.

Photo 2 of 3 : UCIP_FA_2019_19433_32989.jpg



Pipe visible on WS slope.

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LM Start	3.30	Rating **	M	Issue No.	65 (cont)	
LM End	3.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.693618 °	37.693618 °	
				-121.277639 °	-121.277639 °	
DWR ID	20693					
Comment Code						
Inspector Comment						
DS_ID:20693 FS_ID:19433 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel storm drainage pipe through the levee, 4 feet below the crown. T-post marks location of pipe at the landside (LS) toe. Steel plate welded over pipe on the waterside (WS) slope. [Additional Reference(s): USACE San Joaquin O&M Manual 11, 1968, (HLM 3.34), As-Built Drawings available, DWG 7-4-1685]. FS Date: 9/5/2013						

Photo 3 of 3 : UCIP_FA_2019_19433_32988.jpg



Pipe visible on WS slope. Steel plate welded over end.

LM Start	3.34	Rating **	N	Issue No.	30
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.693019 °	37.693019 °
				-121.277892 °	-121.277892 °
DWR ID	DWR_RD2085_01_s_2014_30				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	3.58	Rating **	C	Issue No.	31	
LM End	3.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.688545 °		37.688545 °
				-121.276298 °		-121.276298 °
DWR ID	RD2085U01RM67.7					
Comment Code						
Inspector Comment						
Site ID: RD2085U01RM67.7 09/17/2019: This site has been repaired by placing rock protection at the river bank toe. No new erosion was observed at the repaired site. 10/04/2017: The erosion has progressed significantly toward the levee toe. This site is being repaired at the time of survey. 07/08/2016: The erosion in the berm was found slightly progressed toward the levee toe. Signs of fresh erosion at the site are visible. 08/19/2015: No significant change observed. 07/17/2014: No significant change observed. 09/10/2013: No significant change observed. 12/04/2012: This site has been documented before, and a cost estimate to repair has been prepared dated 05/09/2010. The fresh cut shows the erosion is developing. The berm width is at least 42 feet. Sticks were placed at three locations along the river bank, with 3 sticks 5 feet apart at each location.						

No Photos

LM Start	3.62	Rating **	M	Issue No.	50
LM End	3.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689414 °	37.689414 °
				-121.276271 °	-121.276271 °
DWR ID	DWR_RD2085_01_f_2019_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	3.74	Rating **	C	Issue No.	26
LM End	3.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.687841 °	37.687841 °	
			-121.276678 °	-121.276678 °	
DWR ID	DWR_RD2085_01_f_2015_26				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	3.80	Rating **	A/W	Issue No.	67
LM End	3.80	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.686976 °	37.686976 °	
			-121.276838 °	-121.276838 °	
DWR ID	20683				
Comment Code					
Inspector Comment					
DS_ID:20683 FS_ID:19436 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 12 feet below the crown. Slide gate in concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. Two concrete cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 3.71)]. FS Date: 9/5/2013 9:49:55 AM					

Photo 1 of 3 : UCIP_FA_2019_19436_32997.jpg



Slide gate in Concrete riser on WS shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	3.80	Rating **	A/W	Issue No.	67 (cont)	
LM End	3.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.686976 °	37.686976 °	
				-121.276838 °	-121.276838 °	
DWR ID	20683					
Comment Code						
Inspector Comment						
DS_ID:20683 FS_ID:19436 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 12 feet below the crown. Slide gate in concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. Two concrete cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 3.71)]. FS Date: 9/5/2013 9:49:55 AM						

LM Start	3.80	Rating **	A/W	Issue No.	67 (cont)
LM End	3.80	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_19436_32996.jpg



Concrete headwall off LS toe.

Photo 3 of 3 : UCIP_FA_2019_19436_32995.jpg



Concrete U-shaped headwall on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	3.81	Rating **	M	Issue No.	38
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.686774 °	37.686774 °
				-121.276810 °	-121.276810 °
DWR ID	DWR_RD2085_01_f_2018_38				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is a large rodent hole on the waterside slope.					

No Photos

LM Start	3.86	Rating **	M	Issue No.	36
LM End	4.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.686059 °	37.683882 °
				-121.276745 °	-121.275923 °
DWR ID	DWR_RD2085_01_f_2016_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2085_113_36_20190830_00019.jpg



View of the rodent holes on the levee slope.

LM Start	4.02	Rating **	M	Issue No.	51
LM End	4.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.683880 °	37.683880 °
				-121.275925 °	-121.275925 °
DWR ID	DWR_RD2085_01_f_2019_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	4.06	Rating **	M	Issue No.	52
LM End	4.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.683390°	37.683390°
				-121.275356°	-121.275356°
DWR ID	DWR_RD2085_01_f_2019_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.26	Rating **	M	Issue No.	53
LM End	4.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681879°	37.681879°
				-121.272326°	-121.272326°
DWR ID	DWR_RD2085_01_f_2019_53				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.46	Rating **	N	Issue No.	32
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681605 °	37.681605 °
				-121.268882 °	-121.268882 °
DWR ID	DWR_RD2085_01_s_2012_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD2085_113_32_20190830_00016.jpg



11/03/2011 Large stump on landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	4.55	Rating **	M	Issue No.	54
LM End	4.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681271 °	37.681271 °
				-121.267178 °	-121.267178 °
DWR ID	DWR_RD2085_01_f_2019_54				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.59	Rating **	M	Issue No.	55
LM End	4.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681136 °	37.681136 °
				-121.266508 °	-121.266508 °
DWR ID	DWR_RD2085_01_f_2019_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.64	Rating **	M	Issue No.	56
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.680942 °	37.680740 °
				-121.265719 °	-121.265029 °
DWR ID	DWR_RD2085_01_f_2019_56				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	4.75	Rating **	M	Issue No.	57
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.679961 °	37.679961 °
				-121.265015 °	-121.265015 °
DWR ID	DWR_RD2085_01_f_2019_57				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.83	Rating **	M	Issue No.	58
LM End	4.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.678957 °	37.678957 °
				-121.265755 °	-121.265755 °
DWR ID	DWR_RD2085_01_f_2019_58				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.98	Rating **	U	Issue No.	44
LM End	4.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.677972 °	37.677972 °
				-121.268077 °	-121.268077 °
DWR ID	DWR_RD2085_01_s_2019_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are tree limb/branches broken on the waterside slope.					

Photo 1 of 1 : FA_2019_RD2085_113_44_20190830_00021.jpg



Broken tree limb on waterside slope. (Spring 2019)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	5.04	Rating **	M	Issue No.	59
LM End	5.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.677736 °	37.677388 °
				-121.269083 °	-121.269589 °
DWR ID	DWR_RD2085_01_f_2019_59				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	5.22	Rating **	A/W	Issue No.	69
LM End	5.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.675271 °	37.675271 °
				-121.269281 °	-121.269281 °
DWR ID	20686				
Comment Code					
Inspector Comment					
DS_ID:20686					
FS_ID:23060					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch reinforced concrete drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Two corrugated metal cutoff walls. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 5.12)].					
FS Date: 9/5/2013					

Photo 1 of 3 : UCIP_FA_2019_23060_39184.jpg



Cuts in pavement off LS toe good indicator of pipe location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	5.22	Rating **	A/W	Issue No.	69 (cont)	
LM End	5.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.675271 °	37.675271 °	
				-121.269281 °	-121.269281 °	
DWR ID	20686					
Comment Code						
Inspector Comment						
DS_ID:20686						
FS_ID:23060						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch reinforced concrete drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Two corrugated metal cutoff walls. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 5.12)].						
FS Date: 9/5/2013						

LM Start	5.22	Rating **	A/W	Issue No.	69 (cont)
LM End	5.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_23060_39183.jpg



Concrete U-shaped headwall visible on WS toe.

Photo 3 of 3 : UCIP_FA_2019_23060_39182.jpg



Concrete U-shaped headwall and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	5.24	Rating **	C	Issue No.	29
LM End	5.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.675099°	37.675099°
				-121.269264°	-121.269264°
DWR ID	DWR_RD2085_01_f_2015_29				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	10/09/2019 10/09/2019	Alberto De Leon

LM Start	0.05	Rating **	A	Issue No.	3
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.705430 °	37.707842 °
				-121.274340 °	-121.272924 °
DWR ID	DWR_RD2085_02_f_2019_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Annual vegetation is well maintained.					

Photo 1 of 1 : FA_2019_RD2085_114_3_20191111_00001.jpg



View of vegetation on landside slope. Fall 2019

LM Start	0.13	Rating **	M	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.706481 °	37.706481 °
				-121.273697 °	-121.273697 °
DWR ID	DWR_RD2085_02_f_2019_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	M	Issue No.	1	
LM End	0.43	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.710549 °	37.710549 °	
				-121.271684 °	-121.271684 °	
DWR ID	DWR_RD2085_02_s_2019_1					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	10/09/2019 10/09/2019	Alberto De Leon

LM Start	0.49	Rating **	M	Issue No.	6
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.711365°	37.711365°
				-121.271241°	-121.271241°
DWR ID	DWR_RD2085_02_f_2019_6				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Reclamation District No. 2085 Kasson

Typical view of vegetation on landside slope. Fall 2019

Typical view of waterside slope vegetation. Fall 2019

Looking at the erosion site from levee top..

Page 1 of 2

**Flood Control Project Maintenance
Levee Inspections**

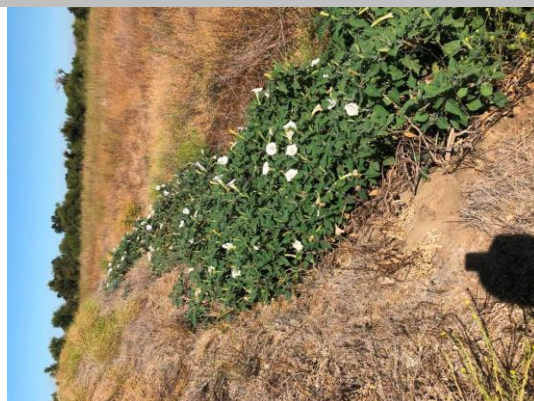
Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	10/09/2019 10/09/2019	Alberto De Leon

LM Start	0.21	Rating **	M	Issue No.	1 (cont)	
LM End	0.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.682798°	37.682798°	
				-121.262059°	-121.262059°	
DWR ID	RD2085U03RM69.27					
Comment Code						
Inspector Comment						
Site ID: RD2085U03RM69.27						
09/17/2019: Erosion is covered by vegetation.						

Photo 2 of 3 : SJR2019_DWR_RD2085_03_s _ 2014_1_3.JPG



Close view of the erosion.

LM Start	0.21	Rating **	M	Issue No.	1 (cont)
LM End	0.21	Issue Type +	Ma	Location *	

Photo 3 of 3 : SJR2019_DWR_RD2085_03_s _ 2014_1_5.JPG



Look upstream of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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